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Christine L. Cook, Joseph S. Sanfilippo, Gerald D. Verdi, & John B. Pietsch — **Capillary Hemangioma of the Vagina and Urethra in a Child: Response to Short-Term Steroid Therapy** — 883
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Glen E. Hofmann, Anibal A. Acosta, & Norma E. Gaddy — **Hysterosalpingographic Diagnosis of Uterine Adenomyoma** — 885
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J. Jeffery Baka, Anna S. Lev-Toaff, Arnold C. Friedman, Paul D. Radecki, & Dina F. Caroline — **Ovarian Vein Thrombosis With Atypical Presentation: Role of Sonography and Duplex Doppler** — 887
Sonography with duplex Doppler is the initial study of choice for diagnosing ovarian vein thrombosis, which may have an atypical presentation.

Violaine Guérin, Marie Christine Bene, Philippe Judlin, Jean Beurey, Pierre Landes, & Gilbert Faure — **Cowden Disease in a Young Girl: Gynecologic and Immunologic Overview in a Case and in the Literature** — 890
Gynecologic and immunologic features of Cowden disease are discussed.

John P. Curtin, Stephen C. Rubin, William J. Hoskins, Thomas B. Hakes, & John L. Lewis, Jr — **Second-Look Laparotomy in Endodermal Sinus Tumor: A Report of Two Patients With Normal Levels of Alpha-Fetoprotein and Residual Tumor at Reexploration** — 893
Two patients with endodermal sinus tumor treated with chemotherapy had tumor found at second-look laparotomy despite having achieved a normal serum AFP level after therapy.

G. Rodrigues de Lima, O. Alves de Lima, Edmund C. Baracat, José Vasserman, & Miguel Burnier, Jr — **Virilizing Brenner Tumor of the Ovary: Case Report** — 895
A case is reported of benign Brenner tumor of the ovary with clinical virilization and high levels of androgenic steroids, which returned to normal after tumor removal.

Friedrich Kommoss, Lane Mercer, Robert A. Schmidt, & Aleksander Talerman — **Granular Cell Tumor of the Breast Mimicking Carcinoma in Pregnancy** — 898
Granular cell tumor of the breast in pregnancy may be misdiagnosed as carcinoma clinically, radiologically, and macroscopically.

Ray V. Haning, Jr, Jacquelyn Loughlin, & Sander S. Shapiro — **Diagnosis and Resection of an Oral Contraceptive-Suppressible Sertoli-Leydig Cell Tumor With Preservation of Fertility and a 7-Year Follow-Up** — 901
Oral contraceptive suppression of male-range serum testosterone in a patient with a Sertoli-Leydig cell tumor failed to rule out an ovarian malignancy.

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Historic development, procedural details, and clinical results of vaginal needle suspension procedures for the correction of stress incontinence are reviewed and discussed.

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Douglas Neuhoff, M. Shannon Burke, & Richard P. Porreco — **Cesarean Birth for Failed Progress in Labor** 915

There were major differences in cesarean birth rates for "dystocia" between a clinic and private service among nulliparous patients at term, due largely to management of augmented labors.

Joan M. Bengtson, Linda J. VanMarter, Vanessa A. Barss, Michael F. Greene, Ruth E. Tuomala, & Michael F. Epstein — **Pregnancy Outcome After Premature Rupture of the Membranes at or Before 26 Weeks' Gestation** 921

Outcome of pregnancies complicated by PROM at or before 26 weeks may not be uniformly dismal, and management should be individualized.

Kathy L. Ales, Margaret E. Norton, & Maurice L. Druzin — **Early Prediction of Antepartum Hypertension** 928

Antepartum hypertension complicated 21.6% of pregnancies in women with a mid-pregnancy screening MAP of 85 mmHg or higher, but only 0.7% of pregnancies in women with a MAP below 85.

Susan L. Sipes, Carl P. Weiner, Thomas M. Gellhaus, & James D. Goodspeed — **The Plasma Renin-Angiotensin System in Preeclampsia: Effects of Magnesium Sulfate** 934

Magnesium sulfate infusion caused a decline in plasma renin activity in women with preeclampsia but not in those with preterm labor; angiotensin-converting enzyme activity was not affected in either group.

Peter Schreyer, Dan J. Sherman, Shlomo Ariely, Arie Herman, & Eliahu Caspi — **Ripening the Highly Unfavorable Cervix With Extra-Amniotic Saline Instillation or Vaginal Prostaglandin E_2 Application** 938

Extra-amniotic saline instillation was more effective than vaginal PG in ripening the unfavorable cervix.

K. T. Rasmus, R. L. Rottman, D. M. Kotelko, W. C. Wright, J. J. Stone, & R. M. Rosenblatt — **Unrecognized Thrombocytopenia and Regional Anesthesia in Parturients: A Retrospective Review** 943

Lumbar epidural anesthesia administered to parturients with thrombocytopenia was not associated with neurologic complications.

Henrik Rosendahl & Seppo Kivinen — **Antenatal Detection of Congenital Malformations by Routine Ultrasonography** 947

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Roger A. Williamson, Carl P. Weiner, William T. C. Yuh, & Monzer M. Abu-Yousef — **Magnetic Resonance Imaging of Anomalous Fetuses** 952

In selected cases of fetal anomalies, MRI can enhance information provided by ultrasound, particularly if performed after fetal neuromuscular blockade.

J. C. Veille, A. E. Bacevice, B. Wilson, J. Janos, & H. K. Hellerstein — **Umbilical Artery Waveform During Bicycle Exercise in Normal Pregnancy** 957

The S/D ratio of the umbilical artery, studied by pulsed Doppler before and after bicycle exercise, did not change.

Mark B. Landon, Steven G. Gabbe, Joseph P. Bruner, & Jack Ludmir

Doppler Umbilical Artery Velocimetry in Pregnancy Complicated by Insulin-Dependent Diabetes Mellitus 961

Normal fetal placental resistance is present in most pregnancies complicated by diabetes without maternal vascular disease.

Scott Hyde, Jason Smotherman, Joanne I. Moore, & Geoffrey Altshuler

A Model of Bacterially Induced Umbilical Vein Spasm, Relevant to Fetal Hypoperfusion 966

Group B streptococcus produces a potent heat-stable exotoxin that induces contraction of the human umbilical vein.

Barbara S. Kisilevsky, Darwin W. Muir, & James A. Low

Human Fetal Responses to Sound as a Function of Stimulus Intensity 971

Fetal heart rate and gross body movements vary as a function of the intensity of the acoustic stimulus.

Pamela P. Murray, Bruce V. Stadel, & James J. Schlesselman

Oral Contraceptive Use in Women With a Family History of Breast Cancer 977

Oral contraceptive use does not significantly alter the risk of breast cancer among women with a family history of the disease.

M. W. Jones & S. G Silverberg

Cervical Adenocarcinoma in Young Women: Possible Relationship to Microglandular Hyperplasia and Use of Oral Contraceptives 984

Cervical adenocarcinomas and adenosquamous carcinomas were compared with squamous carcinomas with regard to microglandular hyperplasia and oral contraceptive use, with no significant differences found.

Bronte A. Stone, Paulo C. Serafini, Kay Quinn, Patrick Quinn, John F. Kerin, & Richard P. Marrs

Gonadotropin and Estradiol Levels During Ovarian Stimulation in Women Treated With Leuprolide Acetate 990

Peripheral serum levels of FSH and E2 during ovarian stimulation in 209 women treated with leuprolide acetate were higher than values in 202 control subjects; serum LH levels were lower.

Andrea L. Stein, Maynard N. Levenick, & Oscar A. Kletzky

Computed Tomography Versus Magnetic Resonance Imaging for the Evaluation of Suspected Pituitary Adenomas 996

Magnetic resonance imaging appears to be superior to CT scan for evaluating soft tissues in patients with suspected pituitary disease.

L. Fedele, L. Arcaini, S. Bianchi, A. Baglioni, & P. Vercellini

Comparison of Cyproterone Acetate and Danazol in the Treatment of Pelvic Pain Associated With Endometriosis 1000

Cyproterone acetate may be useful in treating pelvic pain associated with endometriosis, and has fewer side effects than danazol.

Toru Tase, Takashi Okagaki, Barbara A. Clark, Leo B. Twiggs, Ronald S. Ostrow, & Anthony J. Faras

Human Papillomavirus DNA in Glandular Dysplasia and Microglandular Hyperplasia: Presumed Precursors of Adenocarcinoma of the Uterine Cervix 1005

The absence of HPV DNA suggests that glandular dysplasia and microglandular hyperplasia are unlikely precursor lesions of adenocarcinoma of the uterine cervix.

John D. Nash, Robert F. Ozols, John F. Smyth, & Thomas C. Hamilton

Estrogen and Anti-Estrogen Effects on the Growth of Human Epithelial Ovarian Cancer In Vitro 1009

A new model system offers the opportunity to study the endocrine regulation and therapy of human epithelial ovarian cancer.

Anthony Ayiomamitis

The Epidemiology of Malignant Neoplasms of the Ovary, Fallopian Tube, and Broad Ligament in Canada: 1950–1984 1017

Canadian incidence and mortality rates for ovarian carcinoma have not changed significantly during 1970–1980 and 1950–1984, respectively, in contrast to various age-specific rates.

Laurel A. King, Gordon O. Downey, John E. Savage, Leo B. Twiggs, Gerard J. Oakley, & Konald A. Prem

Resection of the Pubic Bone as an Adjunct to Management of Primary, Recurrent, and Metastatic Pelvic Malignancies 1022

Pubic bone resection was accomplished with little added surgical morbidity and good functional results in 12 patients with locally extensive vulvovaginal carcinomas.

Hugh M. Shingleton, Seng-Jaw Soong, Mark S. Gelder, Kenneth D. Hatch, Vicki V. Baker, & J. Maxwell Austin, Jr

Clinical and Histopathologic Factors Predicting Recurrence and Survival After Pelvic Exenteration for Cancer of the Cervix 1027

Survival with pelvic exenteration for cervical cancer relates to time of recurrence after initial radiotherapy, size and mobility of the recurrent pelvic mass, and negative surgical margins and regional nodes.

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Prenatal Diagnosis for Couples Who Would Not Consider Abortion 1035

Prenatal diagnostic techniques may be of value even for couples who would not consider abortion.

David A. Grimes & Joyce M. Hughes

Use of Multiphasic Oral Contraceptives and Hospitalizations of Women With Functional Ovarian Cysts in the United States 1037

The introduction of multiphasic oral contraceptives has not been temporally associated with an increase in the hospitalization of women diagnosed with functional ovarian cysts.

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Topical Anesthesia for Gynecologic Procedures 1040

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J. C. Gambone, J. B. Lench, M. J. Slesinski, R. C. Reiter, & J. G. Moore

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